

# King County DNRP Water Quality Index

STATION **317** WATER YEAR **2015**

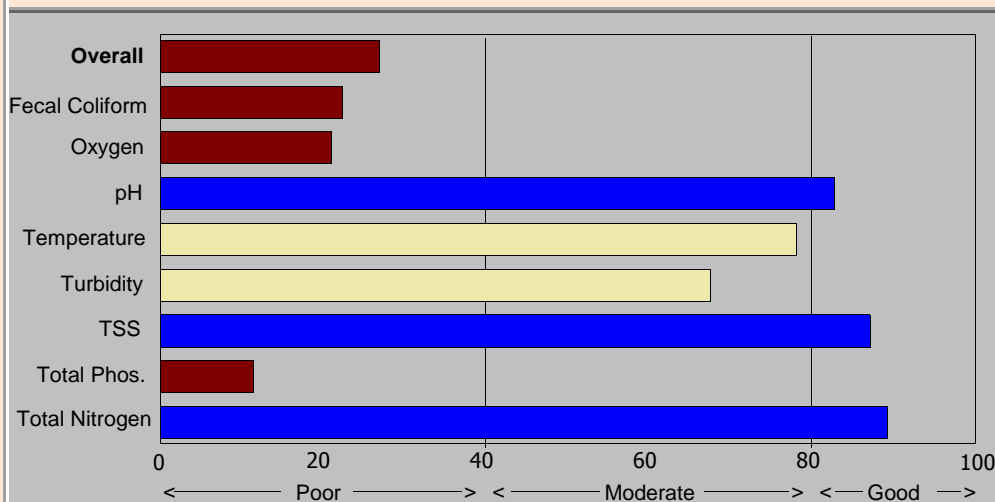
**GAUGE # 03G Springbrook Creek at O'Grady Way**

Overall Index **27**

King County monitors water quality in Springbrook Creek at Station 0317, located near the mouth of the creek at the bridge. Monitoring at this site began in 1971 and continues today. The Springbrook Creek basin encompasses 15,763 acres near the Cities of Kent and Renton. The mainstem flows 12 miles before joining the Black River then ultimately flows into the Green River at river mile 11.0. Historically, the Black River drained Lake Washington, combining with the Cedar River and Springbrook Creek before its confluence with the Green River to become the Duwamish River. Since the construction of the Lake Washington Ship Canal in 1916, the Black River receives very little drainage besides flows from Springbrook Creek. The creek is listed as high concern on the 2013 WQI Report due to high bacteria and nutrient concentrations and low dissolved oxygen observations. Coho salmon, cutthroat trout and winter steelhead adults have been observed in Springbrook Creek and its tributaries.

## Annual Water Quality Index Scores

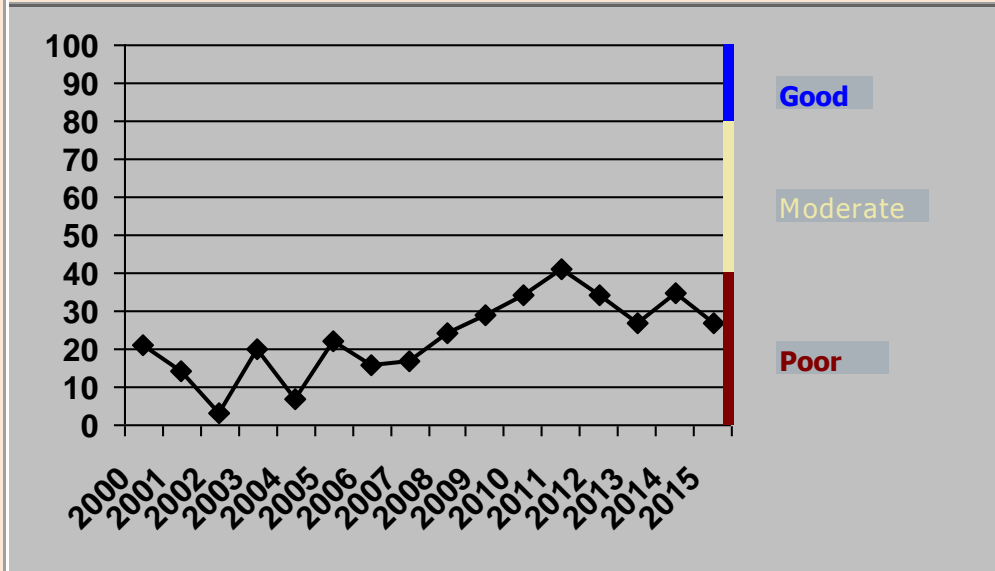
Water quality was POOR based on data collected 10/1/2014 to 9/30/2015.



## Monthly Scores For Water Year 2015

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
33	72	32	76	44	72	62	17	31	32	36	51

## WQI Score Comparison By Water Year



## About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>